

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13492	("p-i-n" p near12 n) same diod\$2 and ("p-i-n" p near12 n) and ("p-i-n" p n) near5 dop\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/02/19 11:08
L2	8989	(photodiode photo\$2 near10 diod\$2) same absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/02/19 11:08
L3	22130	absor\$5 same (free adj2 charg\$2 charg\$3 near7 carrier\$2 carrier\$2 near4 (free charg\$2) "p-i-n" p near10 n)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/02/19 11:08
L4	4239	(photodiode photo\$2 near10 diod\$2) same (waveguid\$2 wave adj1 guid\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/02/19 11:08
L5	61	L1 and L2 and L3 and L4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/02/19 11:08
L6	511276	electric\$4 near7 contact\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/02/19 11:08
L7	34	L5 and L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/02/19 11:08
S1	1	10/500318	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 11:32
S2	1	S1 and (detect\$4 free near5 charge\$2 carriers sensor\$3 photodiode diod\$2 absor\$5 photons band adj2 gap first adj1 wavelength\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 17:54
S3	12041	("p-i-n" p near12 n) same diod\$2 and ("p-i-n" p near12 n) and ("p-i-n" p n) near5 dop\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:22
S4	7998	(photodiode photo\$2 near10 diod\$2) same absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 17:58
S5	20124	absor\$5 same (free adj2 charg\$2 charg\$3 near7 carrier\$2 carrier\$2 near4 (free charg\$2) "p-i-n" p near10 n)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 17:57

S6	3765	(photodiode photo\$2 near10 diod\$2) same (waveguid\$2 wave adj1 guid\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 17:59
S7	52	S3 and S4 and S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:00
S9	474479	electric\$4 near7 contact \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:05
S10	14303	(te same tm transv\$4 same electr\$4 same magnet\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:06
S11	30	S7 and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:09
S12	2	S7 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:10
S13	17	S7 and (grating\$4 awg)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:11
S14	16	S7 and (attenuat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:12
S15	6	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:40
S16	4	S15 and polariz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:13
S17	2	S15 not S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:43
S18	49	S7 and wavelength\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:44
S19	46	S7 and absor\$6 same wavelength\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:45
S20	42	S19 and absor\$6 near12 (wavelength\$2 photon\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:18
S21	26	S20 and absor\$6 same wavelength\$2 same photon\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:16
S22	22	S21 and (bandgap\$2 band\$2 near3 gap\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:20

S23	12	S22 and ((sens\$4 detect \$5) same (free Charg\$4 carri\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:12
S24	1	S1 and ((sens\$4 detect \$5) same (free Charg\$4 carri\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 18:49
S25	15	S22 and ((sens\$4 detect \$5 pd photodiode\$2) near16 (electrons free Charg\$4 carri\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:22
S26	5	S25 not S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:14
S27	34	S20 and absor\$6 same photon\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:17
S28	27	S27 and absor\$6 near12 (wavelength\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:19
S29	12	S28 not (S23 S26)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:20
S30	12	S28 not (S23 S26 S15)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:20
S31	10	S30 and (bandgap\$2 band\$2 near3 gap\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:20
S32	6	S31 and ((sens\$4 detect \$5 pd photodiode\$2) near16 (electrons free Charg\$4 carri\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:25
S33	10	S31 and ((sens\$4 detect \$5 pd photodiode\$2) same (electrons free Charg\$4 carri\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:25
S35	4	S31 not S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 19:26
S36	1	S1 and (gap\$4 level\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 20:48
S37	7	((US-20040119129-\$ or US-20030165314-\$). did. or (US-6831309-\$ or US-3952265-\$ or US-5764826-\$ or US-7072557-\$ or US-6670599-\$). did.	US-PGPUB; USPAT	OR	OFF	2007/02/27 11:45

S38	5	S37 and (bandgap\$4 band\$2 near5 gap\$3) same (absor\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 21:03
S39	5	S37 and (bandgap\$4 band\$2 near5 gap\$3) same (absor\$5) same (wavelength\$2 photon \$4) and absor\$5 near12 (photon\$3 wavelength \$4 light\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 21:11
S40	7	S37 and (absor\$5 near12 (photon\$3 wavelength\$4 light\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 21:11
S41	4	S37 and (bandgap\$4 band\$2 near5 gap\$3) near12 (absor\$5) same (wavelength\$2 photon \$4) and absor\$5 near12 (photon\$3 wavelength \$4 light\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:15
S42	4	S41 and (photodiod\$3 diod\$2) same (absor\$5) same (wavelength\$2 photon\$4) and absor\$5 near12 (photon\$3 wavelength\$4 light\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 21:16
S43	7	S37 and (photodiod\$3 diod\$2) same (absor\$5) same (wavelength\$2 photon\$4) and absor\$5 near12 (photon\$3 wavelength\$4 light\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 21:16
S44	7	S37 and (photodiod\$3 diod\$2) near12 (absor \$5) same (wavelength \$2 photon\$4) and absor \$5 near12 (photon\$3 wavelength\$4 light\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/26 21:16
S45	1	10/500318	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 11:32
S46	1	S45 and (photodiod\$2 diod\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 11:32
S48	1	"20040119129"	US-PGPUB; USPAT	OR	OFF	2007/02/27 12:59
S49	1	S48 and (("p-i-n" p near12 n) same diod\$2 and ("p-i-n" p near12 n) and ("p-i-n" p n) near5 dop\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 11:43

S50	1	S48 and diod\$2 and ("p-i-n" same p same n)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 11:45
S51	7	(US-20040119129-\$ or US-20030165314-\$). did. or (US-6831309-\$ or US-3952265-\$ or US-5764826-\$ or US-7072557-\$ or US-6670599-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/02/27 17:13
S52	3	S51 and diod\$2 and (p same n) and "p-i-n"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 13:28
S53	1	S48 and (gap bandgap \$2) same (absor\$5 same (photon\$1 wavelength\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 12:19
S54	0	S51 and (waveguid\$2 same absr\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 12:02
S55	6	S51 and (waveguid\$2 same absor\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 12:04
S56	6	S55 and (free charg\$3 electron\$3 carri\$5) and waveguide\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 12:05
S57	1	S48 and (gap bandgap \$2 diod\$2 pin p n) and (absor\$5 near12 wavelength\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 12:23
S58	1	S48 and (gap bandgap \$2 diod\$2 pin p n) and (absor\$5 near12 wavelength\$1) and absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:29
S59	1	S48 and (detect\$5 sens \$4 photodetected\$5 photodiod\$4) same (free charg\$4 electron \$4 carr\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 12:30
S60	1	S48 and (hole\$2 cavit\$4 defect\$4 impurit\$4 dop \$5)	US-PGPUB; USPAT	OR	OFF	2007/02/27 13:03
S61	1	S48 and (hole\$2 cavit\$4 defect\$4 impurit\$4 hydrogen proton\$1 implant\$6)	US-PGPUB; USPAT	OR	OFF	2007/02/27 13:21
S62	1	S45 and (rib\$3 slab\$4)	US-PGPUB; USPAT	OR	OFF	2007/02/27 13:22

S63	4	S51 and (diod\$2 (p same n) "p-i-n") same (bandgap\$4 gap\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 13:30
S64	1	S48 and (diod\$2 (p same n) "p-i-n") same (bandgap\$4 gap\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 13:38
S65	0	S48 and (silicon si sio \$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 13:38
S66	0	S48 and (silicon si sio\$6 silic\$5 glass\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 13:39
S67	5	S51 and (silicon si sio\$6 silic\$5 glass\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 13:52
S68	1	S48 and (bandwidth\$3 same wavelength\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 14:03
S69	1	S48 and material	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 14:30
S70	7	S51 and (reflect\$4 grating\$2 awg\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 14:33
S71	4	S51 and (reflect\$4 grating\$2 awg\$2) same wavelength\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 14:49
S72	4	S51 and attenuat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 14:49
S73	7	S51 and (reduc\$4 power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 14:56
S74	7	S51 and (reduc\$4 power intensit\$5) same (light wavelength\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 15:04
S75	3	S51 and (var\$5 tun\$5) near12 (light wavelength \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 15:14
S76	7	S51 and (detect\$5 sens \$5 diodes photodiodes photodetectors)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 15:16
S77	1	S45 and (detect\$5 sens \$5 diodes photodiodes photodetectors)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 15:16
S78	1	S45 and (detectors sensors diodes photodiodes photodetectors)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 15:49

S79	1	S45 and channel\$2 near12 monitor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 15:58
S80	1	S45 and (channel\$2 near12 monitor\$5) and reflect\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 16:02
S81	0	S45 and ("fig. 18" "fig. 20") same (grating\$3 reflect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 16:03
S82	1	S45 and (awg grating\$3 reflect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 16:03
S83	5	S51 and (bandgap\$4 band\$2 near5 gap\$3 diod\$2 photodiod\$4 pin) near12 (absor\$6) same (wavelength\$2 photon \$4) and absor\$5 near12 (photon\$3 wavelength \$4 light\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:19
S84	7	S51 and (bandgap\$4 band\$2 near5 gap\$3 diod\$2 photodiod\$4 pin) near12 (absor\$6) same (wavelength\$2 photon\$4) and absor\$5 near12 (photon\$3 wavelength\$4 light\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:19
S86	7	S51 and (carr\$5 free charg\$4 electrons)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:23
S87	1	S48 and (gap bandgap \$2 band near3 gap\$2) near12 absor\$5 near12 (wavelength\$1 photon \$2 light) and (pin (p same n)) same absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:36
S88	1	S48 and (gap bandgap \$2 band near3 gap\$2) same absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:35
S89	4	S51 and (gap bandgap \$2 band near3 gap\$2) near12 absor\$5 near12 (wavelength\$1 photon \$2 light) and (pin (p same n)) same absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:36
S90	4	S51 and (gap bandgap \$2 band near3 gap\$2) near12 absor\$5 near12 (wavelength\$1 photon \$2 light) and (pin (p n)) near12 absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:37

S91	4	S51 and (gap bandgap \$2 band near3 gap\$2) near12 absor\$5 near12 (wavelength\$1 photon \$2 light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:37
S92	5	S51 and (gap bandgap \$2 band near3 gap\$2) near12 absor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:39
S93	5	S51 and (gap bandgap \$2 band near3 gap\$2) same absor\$5 same wavelength\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:44
S94	5	S51 and (gap bandgap \$2 band near3 gap\$2 pin p same n) same absor\$5 same wavelength\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:44
S95	2	(US-6670599-\$ or US-3952265-\$).did.	USPAT	OR	OFF	2007/02/27 17:50
S96	0	S95 and (te tm) same polariz\$5	USPAT	OR	OFF	2007/02/27 17:50
S97	0	S95 and (te tm) and polariz\$5	USPAT	OR	OFF	2007/02/27 17:49
S98	0	S95 and (te tm) and polariz\$5	US-PGPUB; USPAT	OR	OFF	2007/02/27 17:49
S99	2	(US-6670599-\$ or US-3952265-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/02/27 18:01
S100	0	S99 and (te tm) same polariz\$5	USPAT	OR	OFF	2007/02/27 17:50
S101	0	S99 and (te tm)	USPAT	OR	OFF	2007/02/27 17:51
S102	2	S99 and (si silic\$5 sio \$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:52
S103	1	S102 and (defect\$5 hole \$3 cavit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:54
S104	0	S103 and (ion)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:54
S105	1	S102 and (ion)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:54
S106	1	S102 and (ion\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:55
S107	1	S106 and (hydrogen\$2 proton\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/27 17:58

S108	1	(US-3952265-\$). did.	US-PGPUB; USPAT	OR	OFF	2007/02/27 18:01
S109	1	S108 and (attenuat\$4 var\$6 tun\$5 chang\$5 modif\$5)	US-PGPUB; USPAT	OR	OFF	2007/02/27 18:04
S110	1	S108 and (attenu\$7)	US-PGPUB; USPAT	OR	OFF	2007/02/27 18:04

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